

Abstract

The invention relates to a sealed tubular joint, initially comprising a first male tubular element (EM), with a male thread (FM), a first annular lip (L1), with a first axial abutting surface (SB1), a first internal surface (SI1), a section of a first external surface (SE1), a second abutting surface (SB2) and a second female tubular element (EF), with a female thread (FF), matching the male thread (FM), a second annular lip (L2), with a third abutting surface (SB3), a second external surface (SE2), arranged to face the first internal surface (SI1), a second internal surface (SI2) and a fourth axial abutting surface (SB4), supporting the first abutting surface (SB1) and defining, in particular with the second external surface (SE2), an annular housing (LO), matching the first lip (L1). The second (SB2) and third (SB3) abutting surfaces are initially conical with angles of inclination which are effectively identical and which permit, on screwing, the contact of the second abutting surface (SB2) against the third abutting surface (SB3), generating a first radial locking and sealing contact of the first internal surface (SI1) or external surface (SE1) against the second external surface (SE2), or the third internal surface (SI3), and then, with a diametrical expansion in the region of the plastic deformation by means of an axially-displaceable expansion tool, the first external surface (SE1) and the third internal surface (SI3) are forced to locally define a second locking and sealing contact.